

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Raritan Bay Slag Site - Remedial - Removal Polrep
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region II

Subject: POLREP #1
Initial
Raritan Bay Slag Site - Remedial
A205
Old Bridge, NJ
Latitude: 40.4543218 Longitude: -74.2381070

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Date: 4/5/2017

Reporting Period: July 6, 2016 to March 30, 2017

1. Introduction

1.1 Background

Site Number:	A205	Contract Number:	EP-S2-15-02
D.O. Number:	D.O.#47/#54	Action Memo Date:	
Response Authority:	CERCLA	Response Type:	Non-Time-Critical
Response Lead:	EPA	Incident Category:	
NPL Status:	NPL	Operable Unit:	
Mobilization Date:	2/21/2017	Start Date:	2/22/2017
Demob Date:		Completion Date:	
CERCLIS ID:	NJN000206276	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

On-going release of heavy metals into adjacent soil, wetlands and water. This release is related to the presence of crushed battery casings and slag material generated during the recovery of lead from batteries and was subsequently used as fill at the Site.

1.1.2 Site Description

The Margaret's Creek Sector of the Raritan Bay Slag Site is approximately 47-acres of open space consisting of wetland and upland areas. Portions of the upland area is filled with slag and battery carcasses. The slag was brought to the Site approximately 50 years ago.

1.1.2.1 Location

The Margaret's Creek Sector of the Raritan Bay Slag Site is located between the Laurence Harbor and Cliffwood Beach sections of Old Bridge Township, Middlesex County, New Jersey.

1.1.2.2 Description of Threat

EPA has conducted multiple sampling events at the Site since 2008 under both the removal and remedial programs. The sampling activities included the collection of soil, sediment, water, and waste samples within the Margaret's Creek Sector. Analytical results generated by EPA indicate that significantly elevated levels of lead and other heavy metals are present in the soils and sediment. Analytical results for surface soil samples collected within the Margaret's Creek Sector were as high as: 78,000 mg/kg for lead. Representative samples of the excavated wastes generated during previous mitigation work have exceeded the Resource Conservation and Recovery Act Toxicity Characteristic Leaching Procedure limit for lead (5 mg/l).

1.1.3 Preliminary Remedial Assessment/Remedial Site Inspection Results

Information pertaining to the assessment and Site inspection results can be found in the Record of Decision (ROD) and the Final Design Analysis Report (DAR) for the Site, which are available through the Remedial Project Manager and website established for this Site.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

The overall approach to this Remedial Action is to remove crushed battery casings, slag and lead-contaminated soil to prevent the direct contact threat to the public and the migration of contaminated materials to adjacent wetlands, and public recreation areas.

2.1.2 Response Actions to Date

The following actions have been completed at the Margaret's Creek Sector of the Site.

- * Response actions in support of the Remedial Action included delineation soil sampling events in July 2016, November 2016, January 2017 and March 2017. During each of these events, samples were collected for the purpose of defining the horizontal and vertical extent of lead contamination within areas of concern identified in the DAR.
- * On March 6, 2017, a meeting was held with Middlesex County and Old Bridge Township representatives to explain the operational aspects of the Remedial Action planned for Margaret's Creek.
- * On March 8, 2017, the setup of Site support facilities, clearing and grubbing of proposed excavation areas/staging areas and installation of erosion control devices was completed. Site operations are currently suspended pending finalization and receipt of critical site documents.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

Enforcement activities are being managed by the Remedial Program.

2.1.4 Progress Metrics

Not Applicable at this time.

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Planned Activities

Upon notice to proceed, equipment, personnel and supplies will be ordered for delivery to the Site. Once on-site, the various staging areas will be established and excavation/disposal of slag and contaminated soil will commence.

2.2.1.1 Planned Response Activities

Planned response activities will include the excavation, stockpiling, disposal and restoration of disturbed areas of the Site.

2.2.1.2 Next Steps

Continue collection of the delineation soil samples within areas of concern.

2.2.2 Issues

Work has been delayed approximately 5-months due to outstanding issues with backfill/topsoil, permit requirements and work plan development.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

2.4.1 Narrative

On September 9, 2016, \$7,000,000 was allocated to the regional Emergency & Rapid Response Services (ERRS) contract for this project. On February 6, 2017, an additional \$6,550,000 was added to the existing funding for the Remedial Action.

Funding for the Removal Support Team (RST) was allocated on October 27, 2016 (\$200,000) and February 6, 2017 (\$450,000).

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$13,550,000.00	\$25,000.00	\$13,525,000.00	99.82%
RST/START	\$650,000.00	\$50,000.00	\$600,000.00	92.31%
Intramural Costs				
Total Site Costs	\$14,200,000.00	\$75,000.00	\$14,125,000.00	99.47%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this

report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

None

2.5.2 Liaison Officer

None

2.5.3 Information Officer

None

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

: New Jersey Department of Environmental Protection;

: Middlesex County Parks and Recreation;

: Middlesex County Mosquito Commission;

: Middlesex County Utilities Authority;

: Old Bridge Township Municipal Utilities Authority;

: Old Bridge Township Parks and Recreation.

4. Personnel On Site

None

5. Definition of Terms

Not Applicable

6. Additional sources of information

6.1 Internet location of additional information/report

Not Applicable

6.2 Reporting Schedule

Not Applicable

7. Situational Reference Materials

Not Applicable